

## ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-144
Name of the item to be scouted:	Locating Ball & Orange Marker
State item to be used in:	Alaska

### Describe the Item:

Please describe the item application/the end use of the item.	[MARKER BALL] 2 Items in this grouping // ITEM 1: MARKER, LOCATING BALL, EMS TELEPHONE 5' RANGE 3M MARKER BALL MFG 6066 // ITEM 2: BALL, ORANGE MARKER, 5FT DETECTION RANGE, 1401-XR, (EMS), MFG# 80611161136 // Items can be used interchangeably Similar in form and function to: <a href="https://www.3m.com/3M/en_US/p/d/b00011108/">https://www.3m.com/3M/en_US/p/d/b00011108/</a>
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### Supplier Information:

<b>Type of Supplier Being Sought (select from the list below):</b>	
Manufacturer	x
Contract Manufacturer	
Distributor	
Other (Please Specify)	
<b>Reason for Scouting Submission (select from the list below)</b>	
2nd Supplier	
Price	
Re-Shore	
Past supplier no longer available	
New Product Startup	
BABA	x
Other (Please Specify)	

### Summary of Technical Specifications and Performance Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Various/Assembly
Provide dimensions / size / tolerances / performance specifications of the item	ITEM 1, OEM# 6066, Last Supplier: TVC, Surveyors Exchange; Last Manufacturer: 3M // ITEM 2, OEM# 1401-XR, Last Supplier: Surveyors Exchange Company; Last Manufacturer: 3M Similar in form and function to: <a href="https://www.3m.com/3M/en_US/p/d/b00011108/">https://www.3m.com/3M/en_US/p/d/b00011108/</a>
List required materials needed to make the product, including materials of product components, if applicable	Varied/Various
Are there applicable certification requirements?	
Yes	
No	x
Please explain:	
Are there any applicable regulations that apply to the production of this item?	
Yes	
No	x
Please explain:	
Are there any other standards / requirements?	
Yes	
No	x
Please explain:	
NAICS CODES:	
NAICS 1	
NAICS 2	

### Additional Comments:

Additional technical comments:	
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### Volume and Pricing:

Estimated Potential Business Volume (i.e. #units per day, month, year):	ITEM 1: 5 needed // ITEM 2: 15 needed // potential business from future projects
Estimated Target Price/Unit Cost Information:	Best Available

### Delivery Requirements:

<b>When is it needed by? (Immediate, 30 days, 6 months, etc.)</b>	asap
<b>Describe packaging requirements (i.e. individually/group packaging, etc.)</b>	BULK, Product must be delivered undamaged.
<b>Where will this item be shipped?</b>	Anchorage, Alaska
<b>Additional Comments:</b>	
<b>Is there other information you would like to include?</b>	

# 3M™ Electronic Marker System

3M Electronic Markers provide accurate identification of underground assets, helping to reduce the risk of accidentally excavating other buried facilities. All markers function without the need for an external power source. Their water resistant polyethylene shells are impervious to minerals, chemicals and the temperature extremes normally found underground.

iD Markers can be programmed to include customer-specific information about the asset, such as the facility owner, conduit size, placement date, and other important details. This information can be accessed using 3M locators with the iD function.

The 3M™ Electronic Marker System (EMS) helps save utility companies time and money by enabling field crews to quickly pinpoint the location of buried facilities including cable runs, splices and joints, valves, bends, road crossings, service drops and manholes. Using EMS Markers during construction, installation and maintenance virtually eliminates the time consuming search for hard-to-locate facilities.



## 3M™ Electronic Marker System Overview

		Telephone	Power	CATV	General	Water	Wastewater	Gas	3M iD and EMS Markers Read Range	
		Orange	Red	Black/ Orange	Purple	Blue	Green	Yellow	Using 7420-ANZ or 7550 or 7573 AU models	Using 7550 or 7573 NZ models
iD (Programmable)	iD Ball Marker	1421-XR/ID	1422-XR/ID	1427-XR/ID	1428-XR/ID	1423-XR/ID	1424-XR/ID	1425-XR/ID	1.5 m	1.2 m (Tel, Gas, WW, CATV) 1.0 m (Power, Water)
	iD Near-Surface Marker	1432-XR/ID	1433-XR/ID		1438-XR/ID	1434-XR/ID	1435-XR/ID	1436-X/ID	0.9 m	0.6 m
	iD Full-Range Marker	1250-XR/ID	1251-XR/ID		1248-XR/ID	1252-XR/ID	1253-XR/ID	1254-XR/ID	2.4 m	2.0 m
Passive	EMS Ball Marker	1401-XR	1402-XR	1407-XR	1408-XR	1403-XR	1404-XR	1405-XR	1.5 m	1.5 m
	EMS Near-Surface Marker	1432	1433			1434	1435	1436	0.6 m	0.6 m
	EMS Full-Range Marker	1250	1251			1252	1253	1254	2.4 m	2.4 m

\*0.9 m for passive near-surface markers, 0.6 m for iD (programmable) near surface markers

## 3M™ EMS Near-Surface Markers

3M EMS Near-Surface Markers provide an accurate, long lasting method of marking underground facilities. The markers have a range of up to 1 metre from marker to locator and can be programmed to include customer specific information (iD version).



Product	3M Order Code	Programmable/Passive	Application	Colour	Depth	Height x Diameter
1432	80610230312	Passive	Telephone	Orange	0.6 m	76 mm x 20 mm
1433	80610230379	Passive	Power	Red	0.6 m	76 mm x 20 mm
1434	80610230387	Passive	Water	Blue	0.6 m	76 mm x 20 mm
1435	80610230395	Passive	Wastewater	Green	0.6 m	76 mm x 20 mm
1436	80610230403	Passive	Gas	Yellow	0.6 m	76 mm x 20 mm
1432-XR/ID	80611321292	Programmable	Telephone	Orange	0.9 m	76 mm x 20 mm
1433-XR/ID	80611321300	Programmable	Power	Red	0.9 m	76 mm x 20 mm
1434-XR/ID	80611321318	Programmable	Water	Blue	0.9 m	76 mm x 20 mm
1435-XR/ID	80611321326	Programmable	Wastewater	Green	0.9 m	76 mm x 20 mm
1436-XR/ID	80611321334	Programmable	Gas	Yellow	0.9 m	76 mm x 20 mm
1438-XR/ID	80611321342	Programmable	General Purpose/ Recyclable Water	Purple	0.9 m	76 mm x 20 mm

### 3M™ EMS Ball Markers

The 3M EMS Ball Markers have a self-leveling design providing accurate, horizontal position regardless of how the ball is placed in the ground, making the job of precisely locating underground facilities easier.



Product	3M Order Code	Programmable/ Passive	Application	Colour	Depth	Diameter
1401-XR	80611161136	Passive	Telephone	Orange	1.5 m	102 mm
1402-XR	80611161144	Passive	Power	Red	1.5 m	102 mm
1403-XR	80630000323	Passive	Water	Blue	1.5 m	102 mm
1404-XR	80630000331	Passive	Wastewater	Green	1.5 m	102 mm
1405-XR	80630000257	Passive	Gas	Yellow	1.5 m	102 mm
1407-XR	80611161151	Passive	CATV	Orange/Black	1.5 m	102 mm
1408-XR	80611168354	Passive	General Purpose/ Recyclable Water	Purple	1.5 m	102 mm
1421-XR/ID	80611142193	Programmable	Telephone	Orange	1.5 m	102 mm
1422-XR/ID	80611142201	Programmable	Power	Red	1.5 m	102 mm
1423-XR/ID	80611143225	Programmable	Water	Blue	1.5 m	102 mm
1424-XR/ID	80611143233	Programmable	Wastewater	Green	1.5 m	102 mm
1425-XR/ID	80611143241	Programmable	Gas	Yellow	1.5 m	102 mm
1427-XR/ID	80611142219	Programmable	CATV	Orange/Black	1.5 m	102 mm
1428-XR/ID	80611142227	Programmable	General Purpose/ Recyclable Water	Purple	1.5 m	102 mm

### 3M™ EMS Full-Range Markers

3M EMS Full-Range Markers provide an accurate, convenient, long lasting method of marking underground facilities. The marker has a range of up to 2.4 metres from marker to locator.



Product	3M Order Code	Programmable/ Passive	Application	Colour	Depth	Diameter x Thickness
1250	80610221071	Passive	Telephone	Orange	2.4 m	381 mm x 17 mm
1251	80610221295	Passive	Power	Red	2.4 m	381 mm x 17 mm
1252	80610221519	Passive	Water	Blue	2.4 m	381 mm x 17 mm
1253	80610221501	Passive	Wastewater	Green	2.4 m	381 mm x 17 mm
1254	80610221550	Passive	Gas	Yellow	2.4 m	381 mm x 17 mm
1248-XR/ID	80611321284	Programmable	General Purpose/ Recyclable Water	Purple	2.4 m	381 mm x 17 mm
1250-XR/ID	80611321235	Programmable	Telephone	Orange	2.4 m	381 mm x 17 mm
1251-XR/ID	80611321243	Programmable	Power	Red	2.4 m	381 mm x 17 mm
1252-XR/ID	80611321250	Programmable	Water	Blue	2.4 m	381 mm x 17 mm
1253-XR/ID	80611321268	Programmable	Wastewater	Green	2.4 m	381 mm x 17 mm
1254-XR/ID	80611321276	Programmable	Gas	Yellow	2.4 m	381 mm x 17 mm